

UPPER TRUCKEE RIVER
AND MARSH RESTORATION
PROJECT

E.I.P. # 560

EDAW | AECOM

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South Lake Tahoe, CA 96150
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ENTRIX
ENVIRONMENTAL CONSULTANTS

1048 Ski Run Blvd.
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DETAILS

D-1

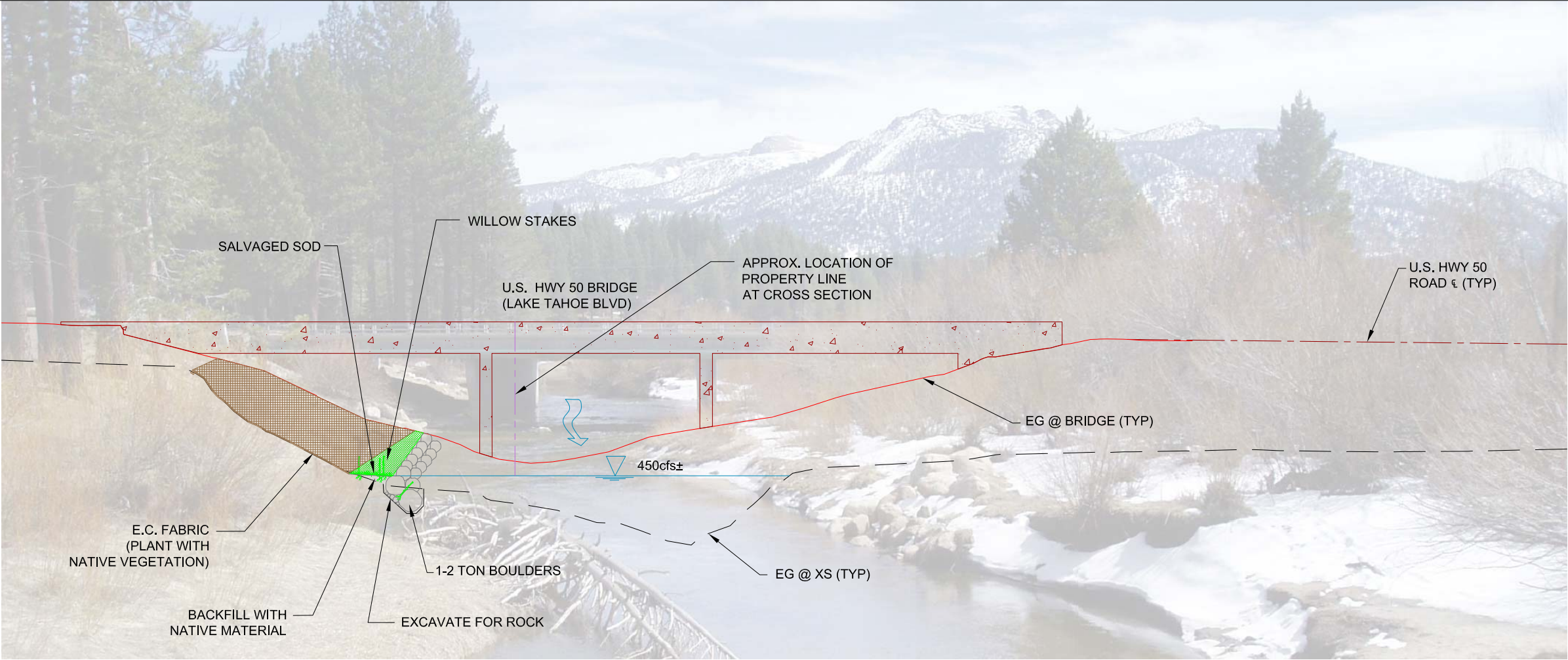
REVISIONS

#	description	date

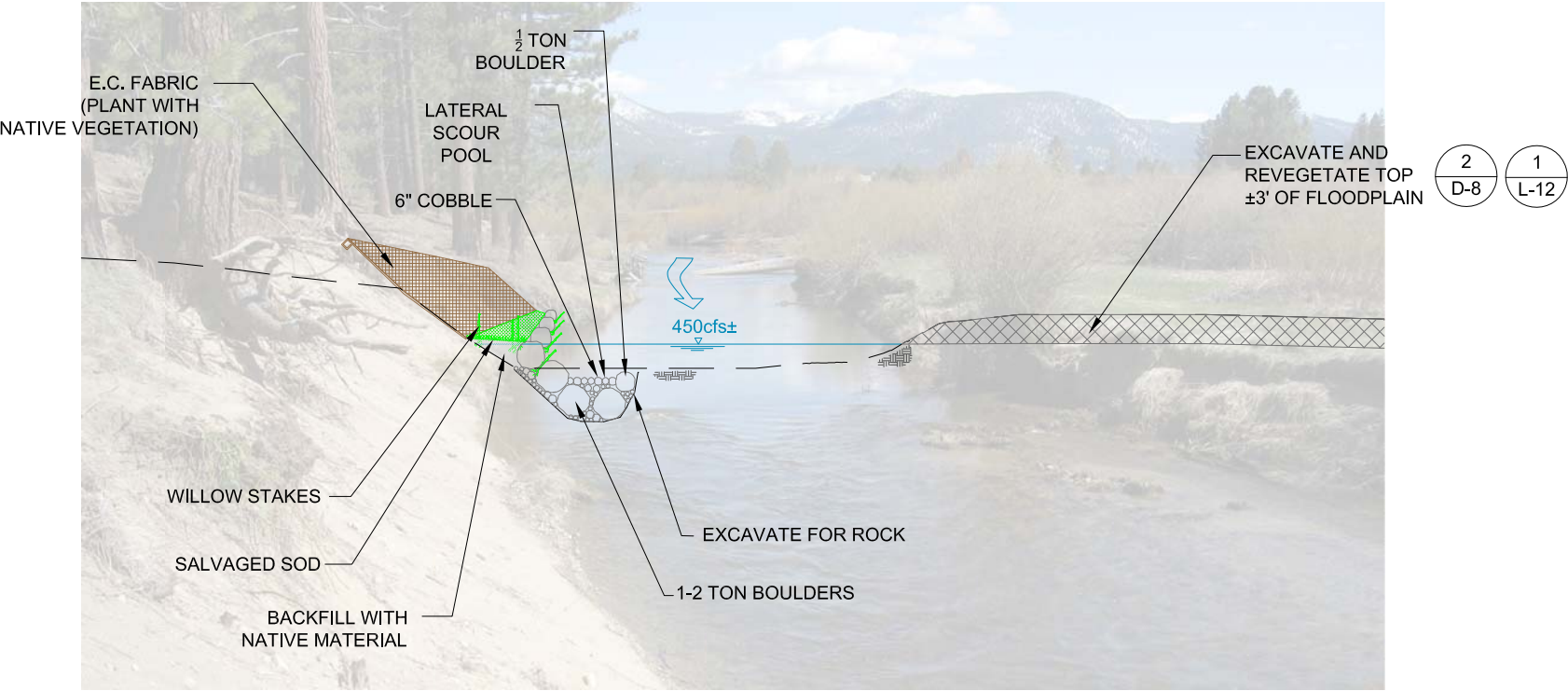
scale:	AS SHOWN
job no.:	00110066.04
drawn by:	CK
checked by:	CM

sheet no.: D-1

sheet 26 of 45
date: 11/20/07



1
D-1
BANK STABILIZATION
(TYP. ALTERNATIVES 1&2)
N.T.S.



2
D-1
BANK STABILIZATION OUTSIDE BEND
(TYP. ALL ALTERNATIVES)
N.T.S.

SCHEMATIC DESIGN PLANS
& DETAILS
NOT FOR CONSTRUCTION

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DETAILS

D-2

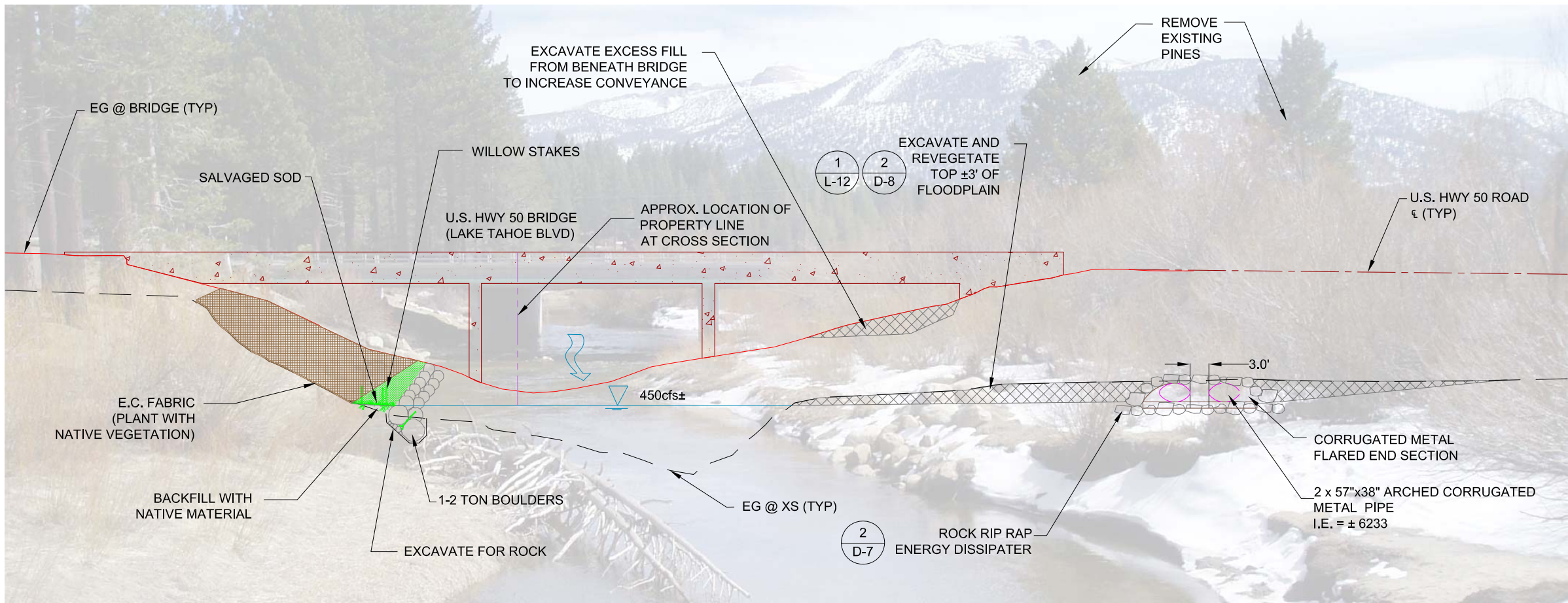
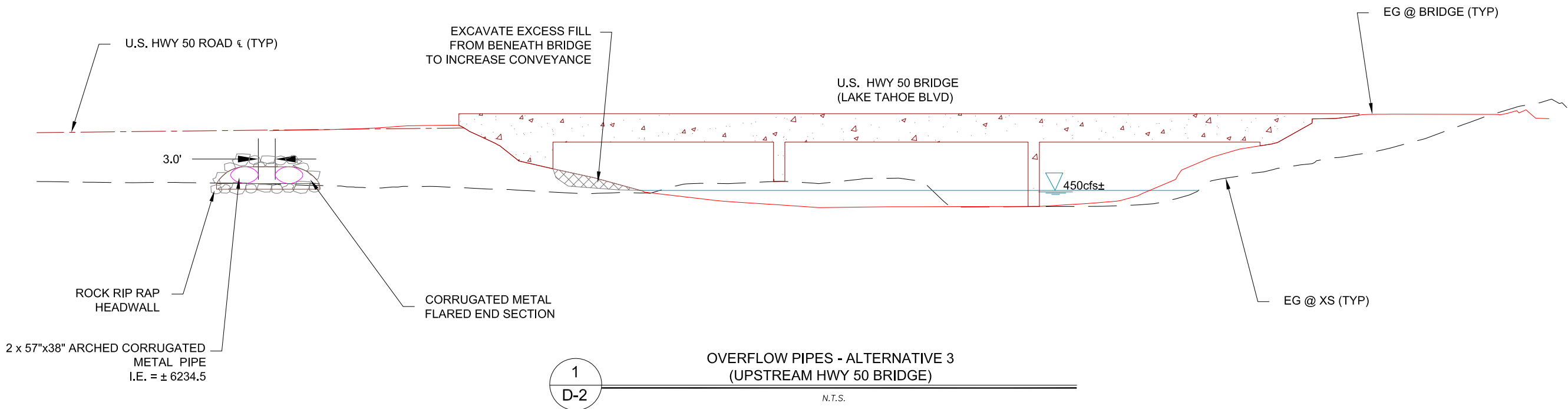
REVISIONS

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scale: AS SHOWN
job no.: 00110066.04
drawn by: CK
checked by: CM

sheet no.: D-2

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date: 11/20/07



2
D-2

OVERFLOW PIPES AND BANK PROTECTION- ALTERNATIVE 3
(DOWNSTREAM HWY. 50 BRIDGE)

N.T.S.

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D-3

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job no.: 00110066.04

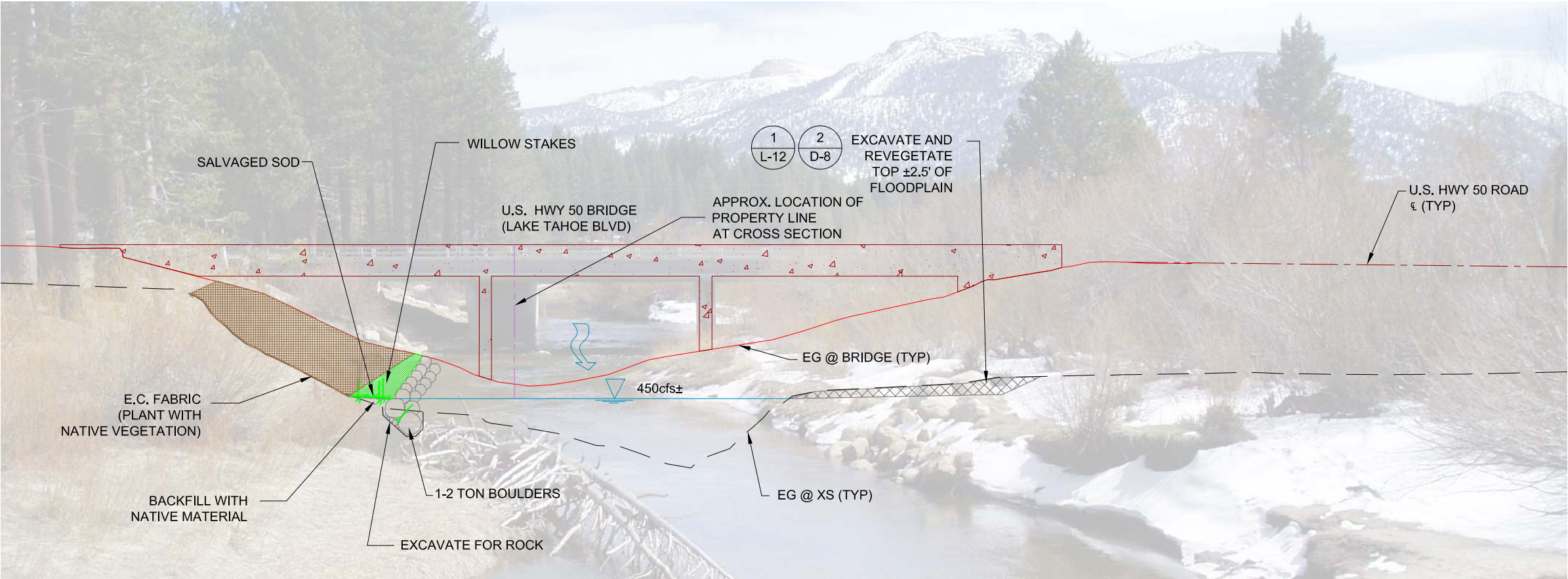
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sheet no.: D-3

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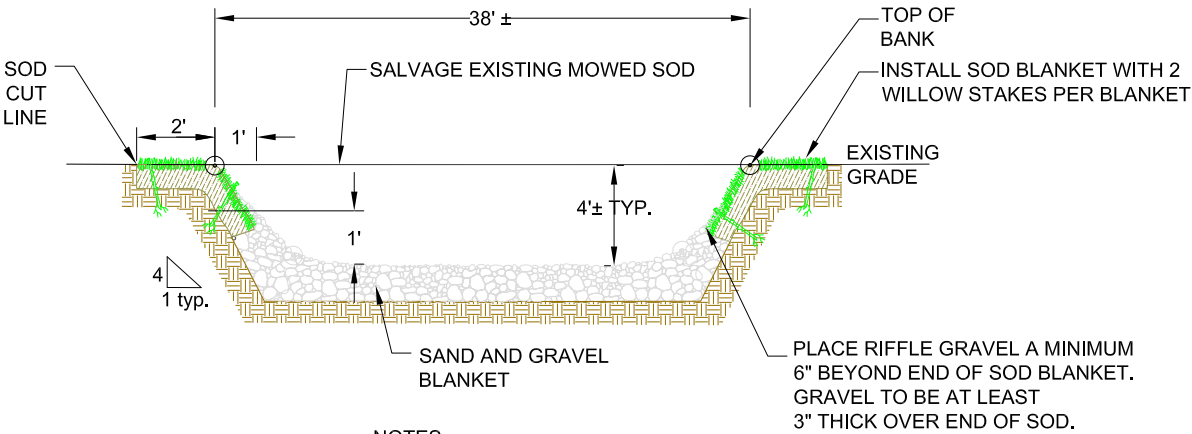
date: 11/20/07



1
D-3

BANK PROTECTION - TYP. ALTERNATIVE 4

SCALE 1"=10'



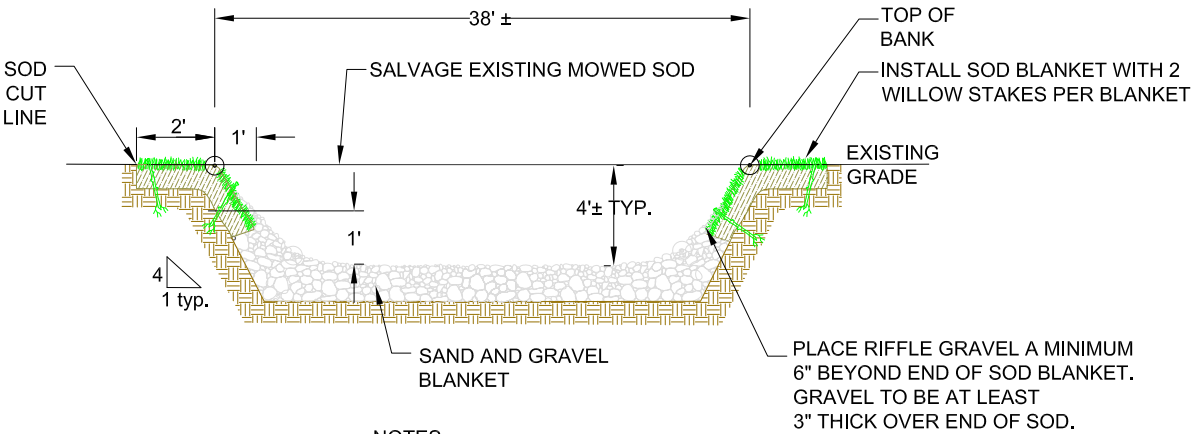
NOTES:

1. TOP OF BANK LINE SHALL BE PAINTED PRIOR TO GRADING, BY THE ENGINEER.

2
D-3

PILOT CHANNEL TYP. CROSS-SECTION - ALTERNATIVE 3

NTS



NOTES:

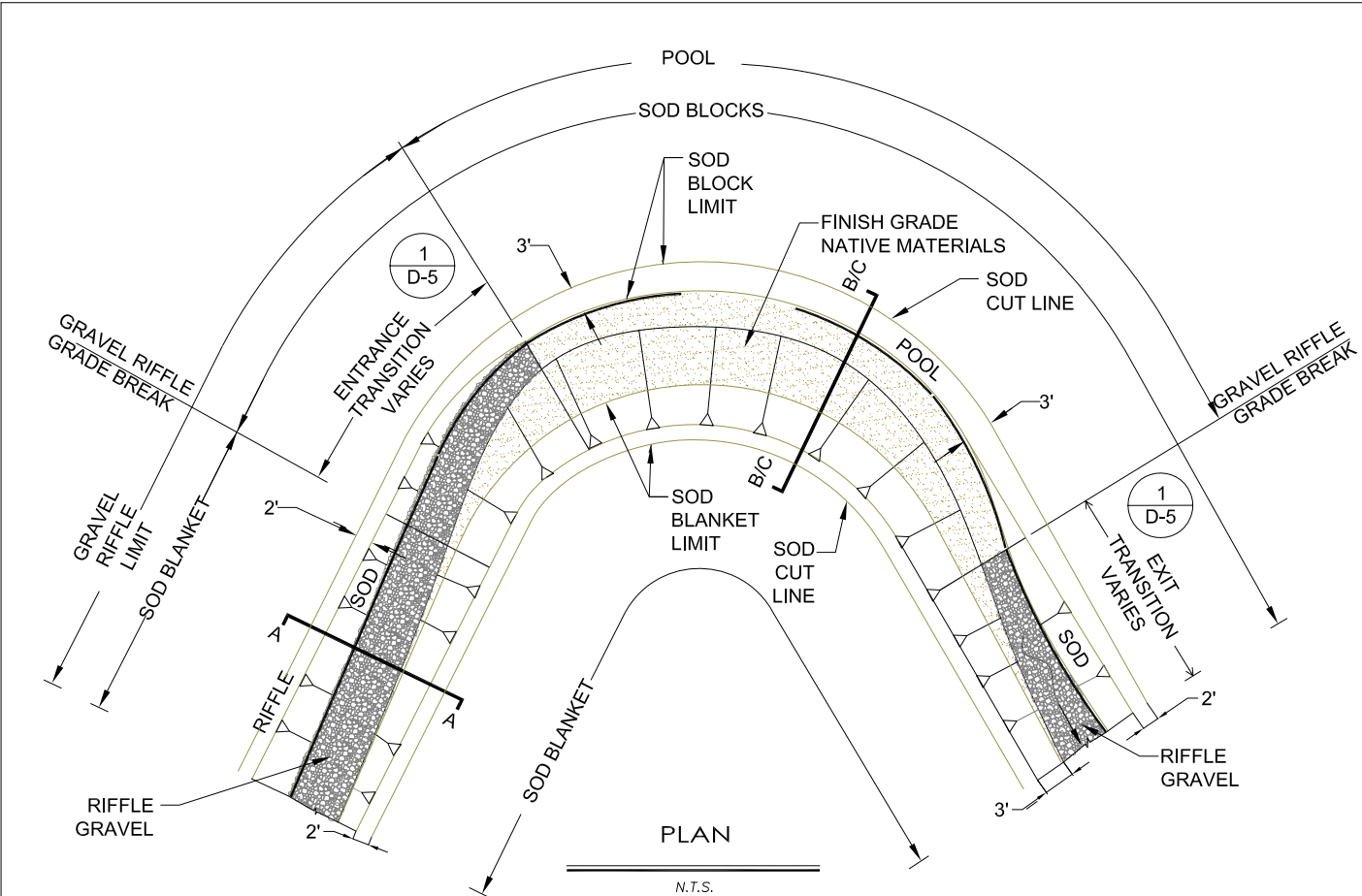
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3
D-3

MEADOW REACH TYPICAL CROSS -SECTION - ALTS 1, 2, & 4

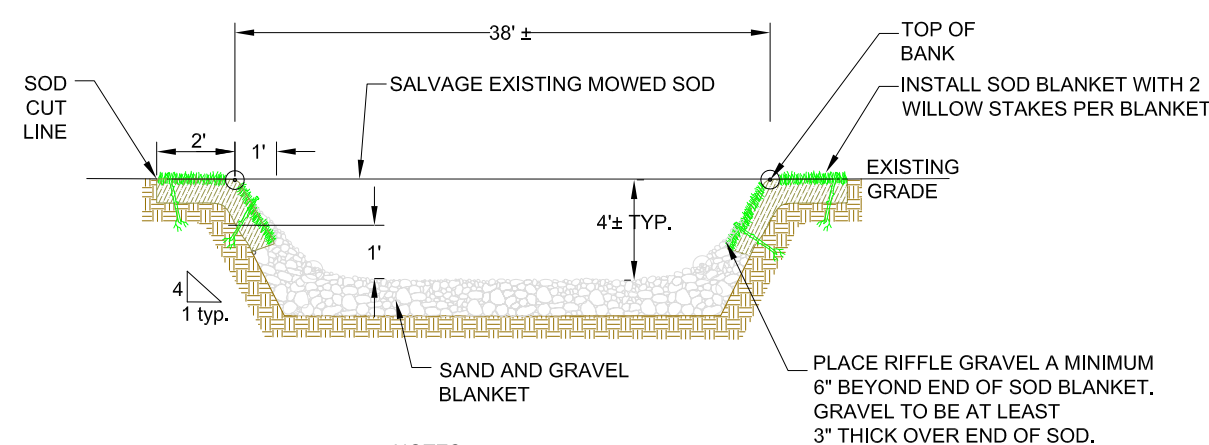
NTS

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NOTES:

1. RIFFLE AND SOD REVETMENT LENGTHS VARY.

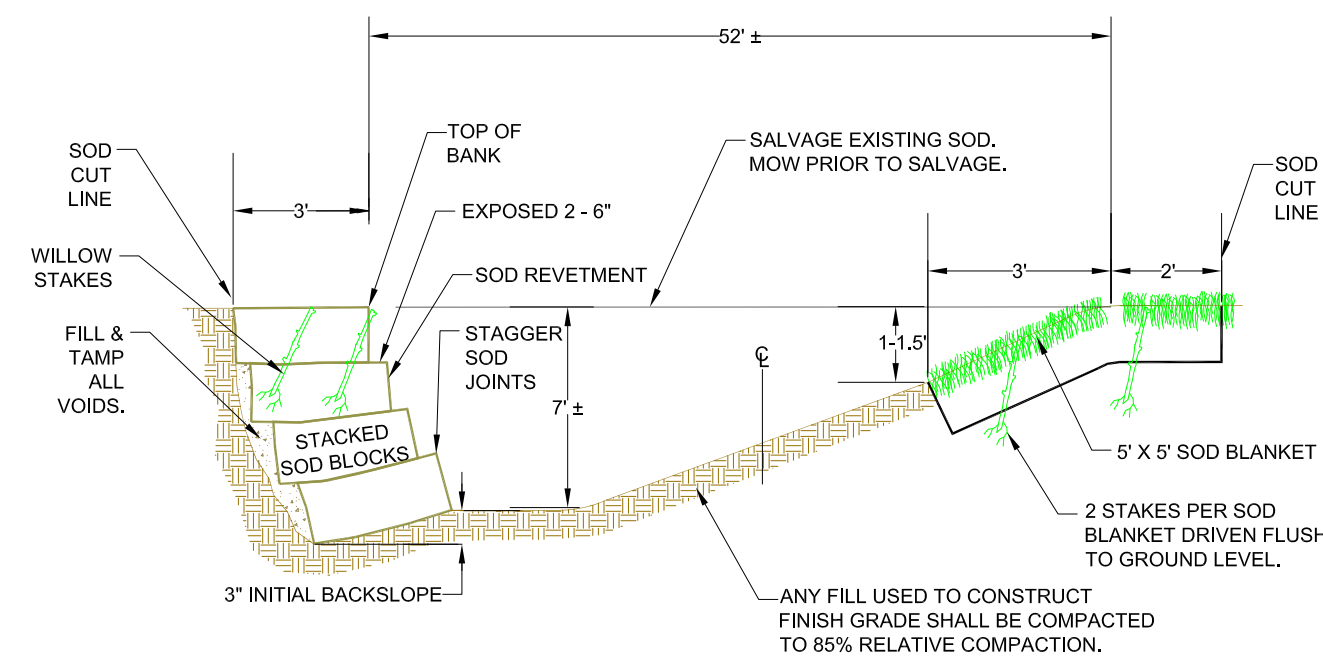


NOTES:

1. TOP OF BANK LINE SHALL BE PAINTED PRIOR TO GRADING, BY THE ENGINEER.

SECTION A-A

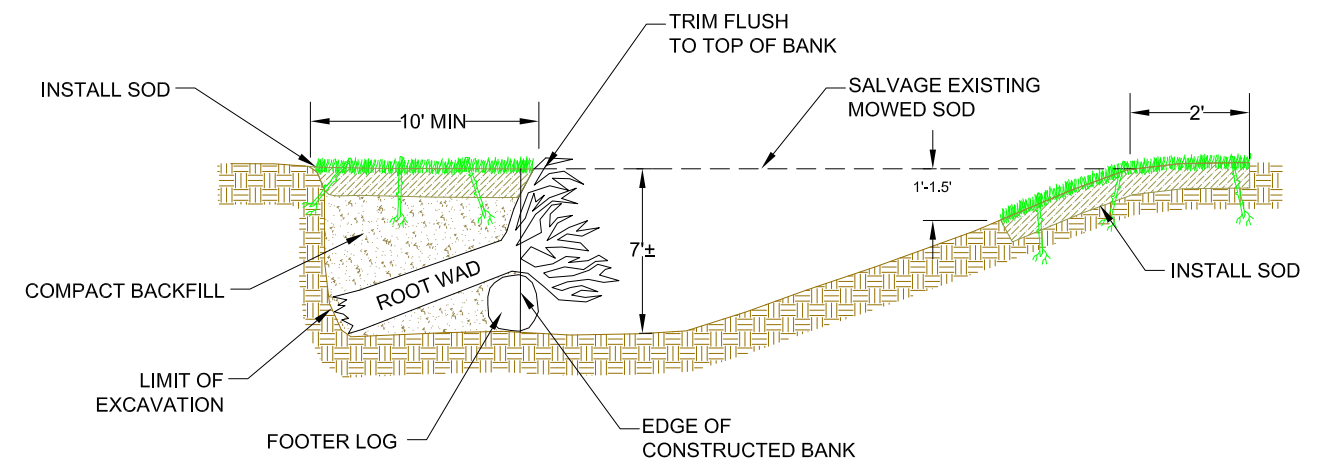
N.T.S.



- NOTES:
- 0.75-1.5 INCH DIAMETER LIVE WILLOW 18-24" STAKES.
 - 2"- 6" SET BACK ON SOD BLOCKS.
 - SOD BLOCKS SHALL BE APPROXIMATELY 10"-14" THICK AND 3' WIDE X 5' LONG.
 - SOD BLANKET SHALL BE A MINIMUM 5' WIDE X 5' LONG.
 - COMPACT EACH LAYER OF SOD WITH LOADER BUCKET OR EQUAL.
 - SOD CUT LINE AND TOP-OF-BANK LINE SHALL BE PAINTED, PRIOR TO GRADING, BY THE ENGINEER.

SECTION B-B

N.T.S.



- NOTES:
- SEE SPECIFICATIONS FOR MATERIALS AND DIMENSIONS OF LOG REVETMENTS.
 - ANY FILL USED TO CONSTRUCT FINISH GRADE SHALL BE COMPACTED TO 85% RELATIVE COMPACTION.

SECTION C-C

N.T.S.

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DETAILS

D-4

REVISIONS

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DETAILS

D-5

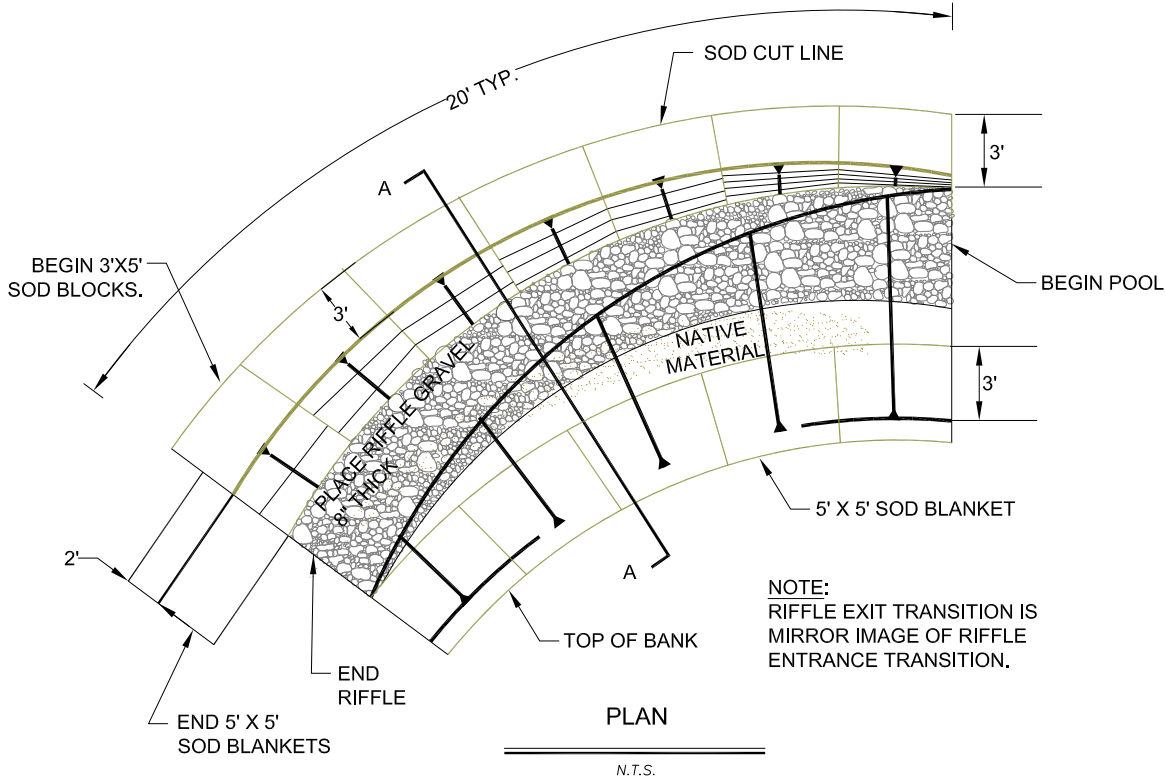
REVISIONS

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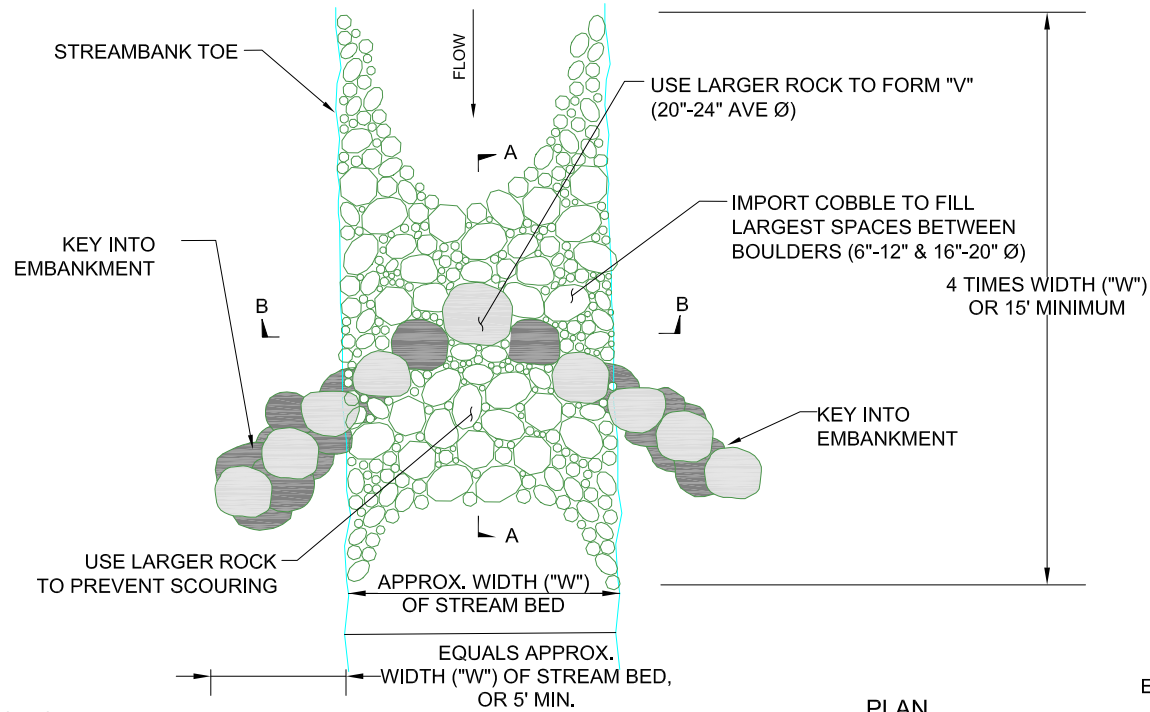
sheet no.: D-5

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1
D-5
TYPICAL NEW CHANNEL TRANSITION

N.T.S.



PLAN

N.T.S.

NOTES:

1. TOTAL VOLUME 90± CY OF ROCK AT EACH GRADE CONTROL STRUCTURE
2. LARGE BOULDERS (20"-24" AVE Ø) PLACED TO FROM "V" IN GRADE CONTROL STRUCTURE SHALL BE PLACED (VERTICAL/ELEVATION) STARTING AT 1 OF CHANNEL 16"-18" BELOW EXISTING GROUND.
3. THE ELEVATION OF THE LARGE BOULDERS (20"-24" AVE Ø) SHALL INCREASE AT 2% ± GOING AWAY FROM THE CHANNEL 1 AND INTO THE EMBANKMENT. THE BOTTOM OF THE ROCK IN THE CHANNEL 1 SHALL BE APPROXIMATELY 0.25' LOWER THAN THE LAST ROCK PLACED (FURTHEST INTO EMBANKMENT).

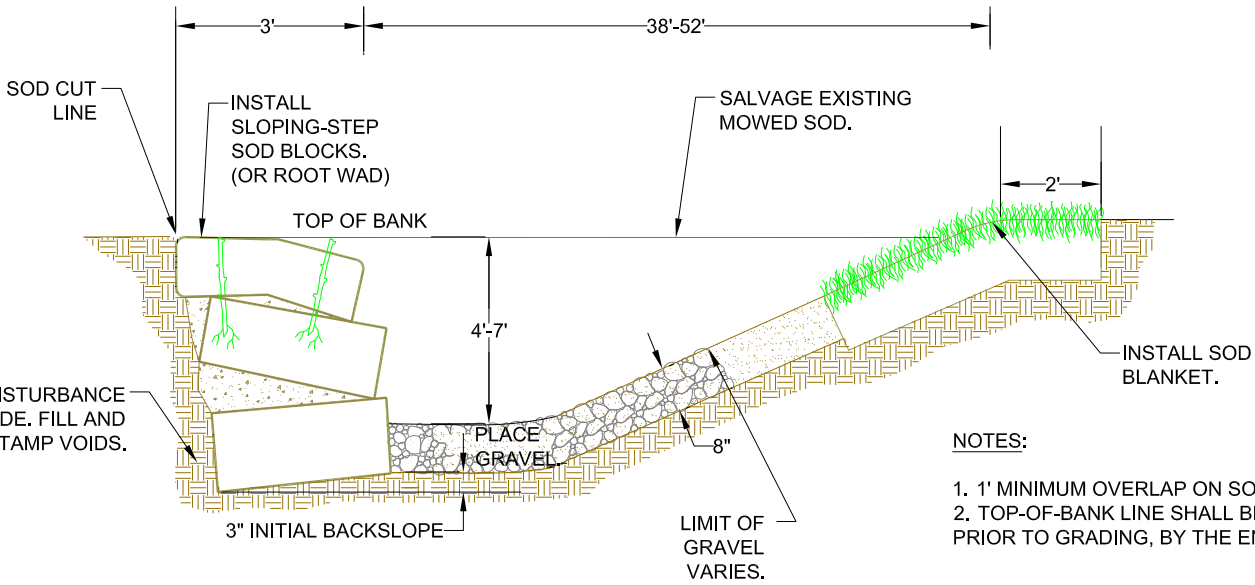
SCHEMATIC DESIGN PLANS
& DETAILS
NOT FOR CONSTRUCTION

2

D-5

BOULDER VERTICAL GRADE CONTROL

N.T.S.

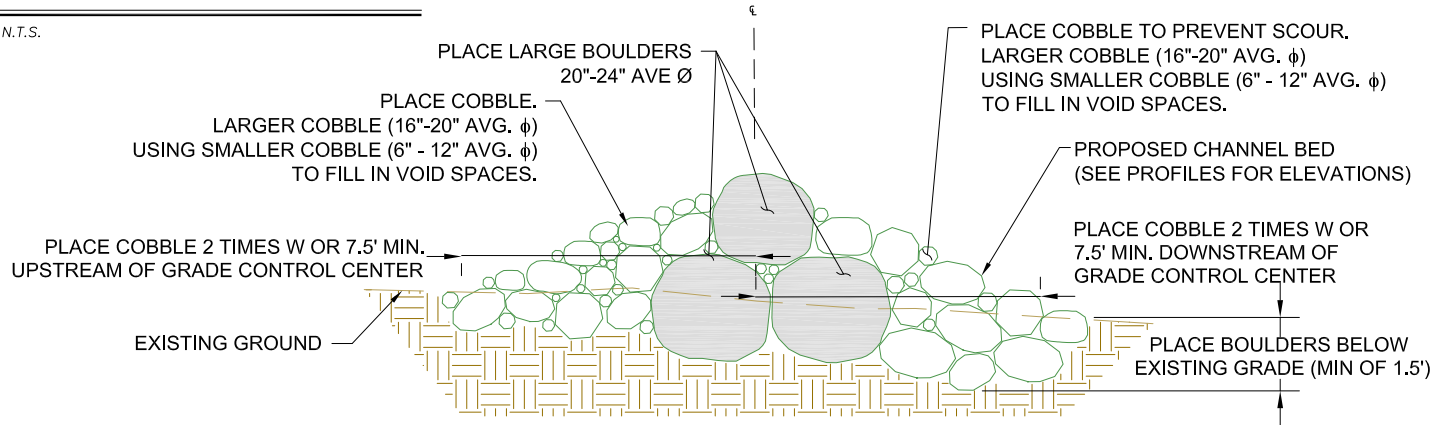


SECTION A-A

N.T.S.

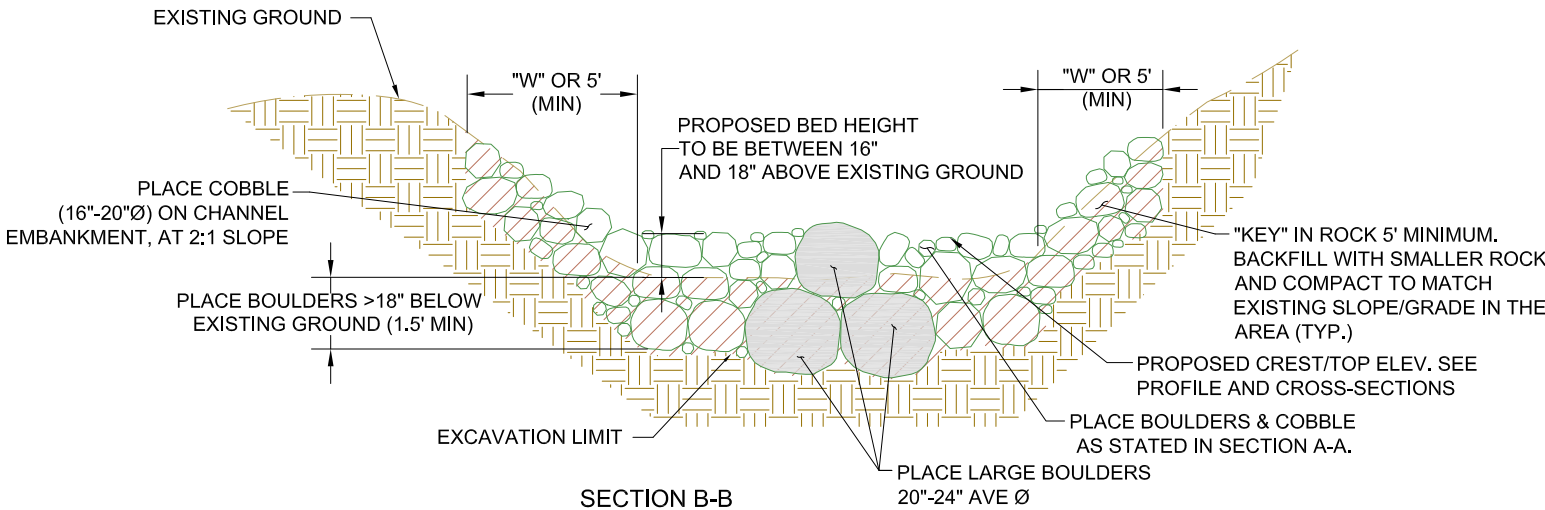
NOTES:

1. 1' MINIMUM OVERLAP ON SOD BLOCKS.
2. TOP-OF-BANK LINE SHALL BE PAINTED, PRIOR TO GRADING, BY THE ENGINEER.



SECTION A-A

N.T.S.



SECTION B-B

N.T.S.

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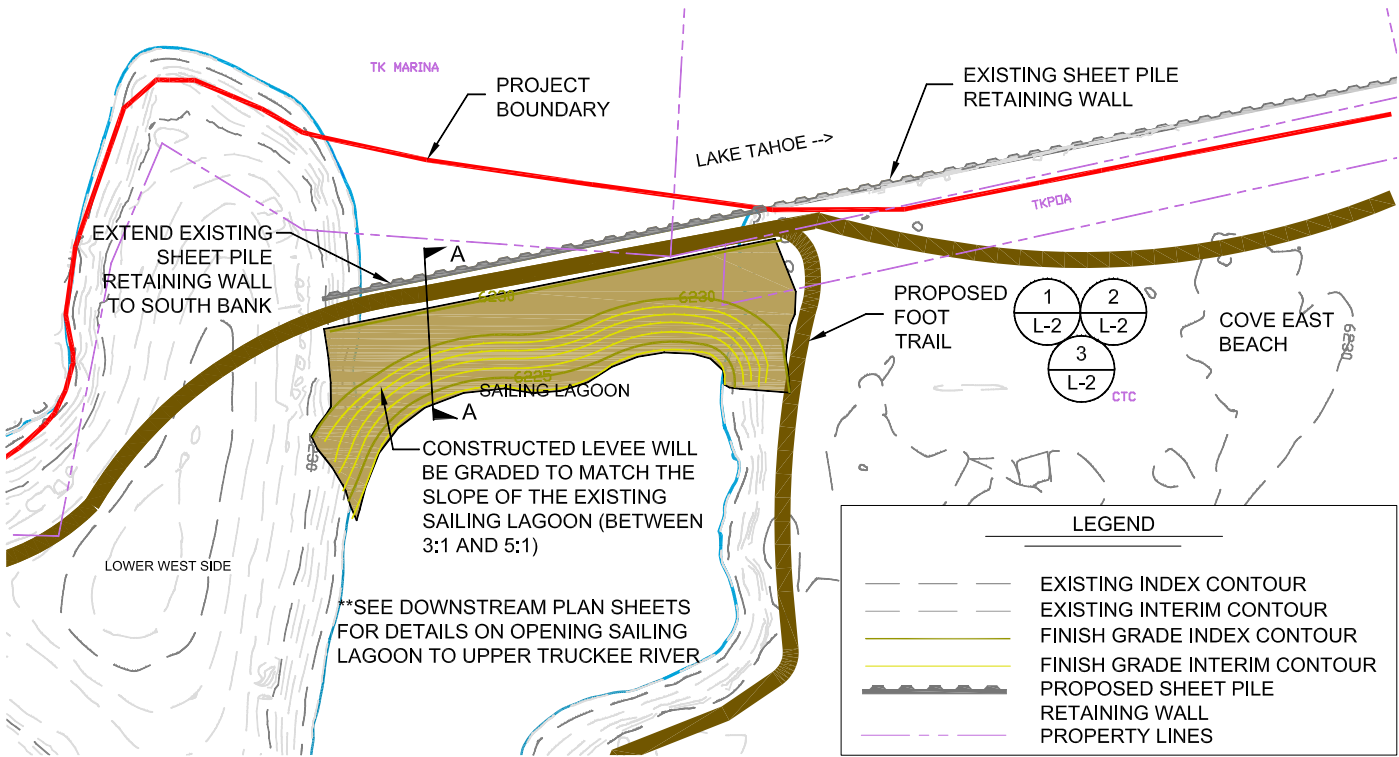
D-6

REVISIONS		
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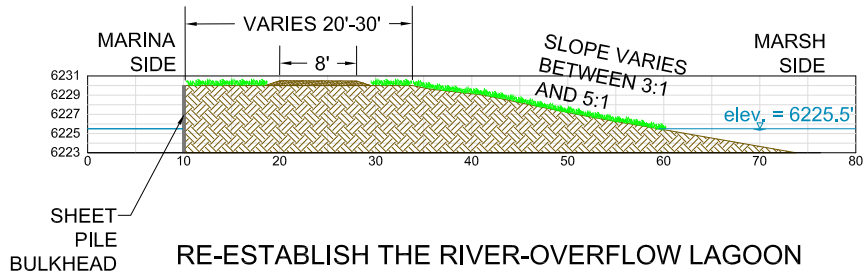


PLAN

SCALE: 1"=60'

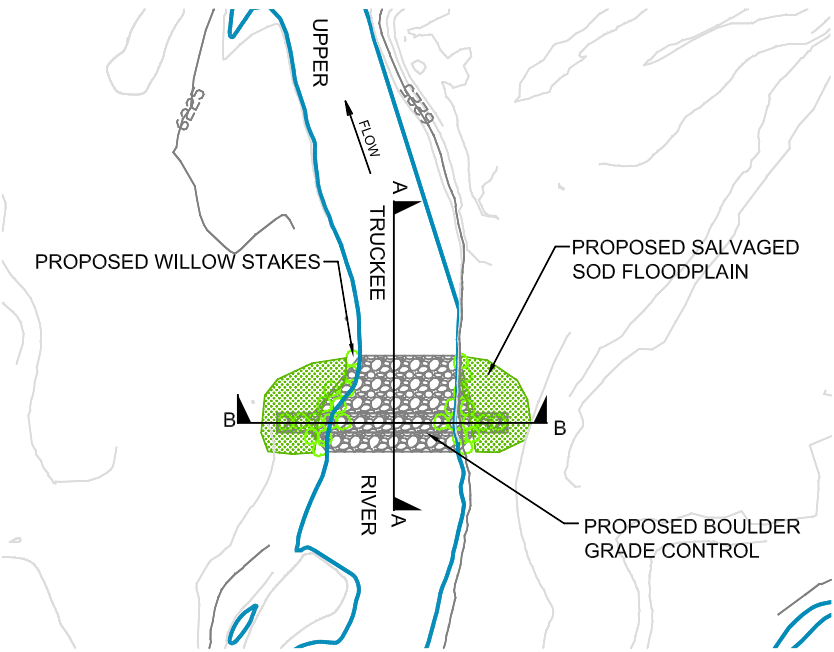
SAILING LAGOON BULKHEAD - ALTS. 1, 2, & 3

1
D-6



SECTION A-A

SCALE: 1"=10', 1H:1V



PLAN

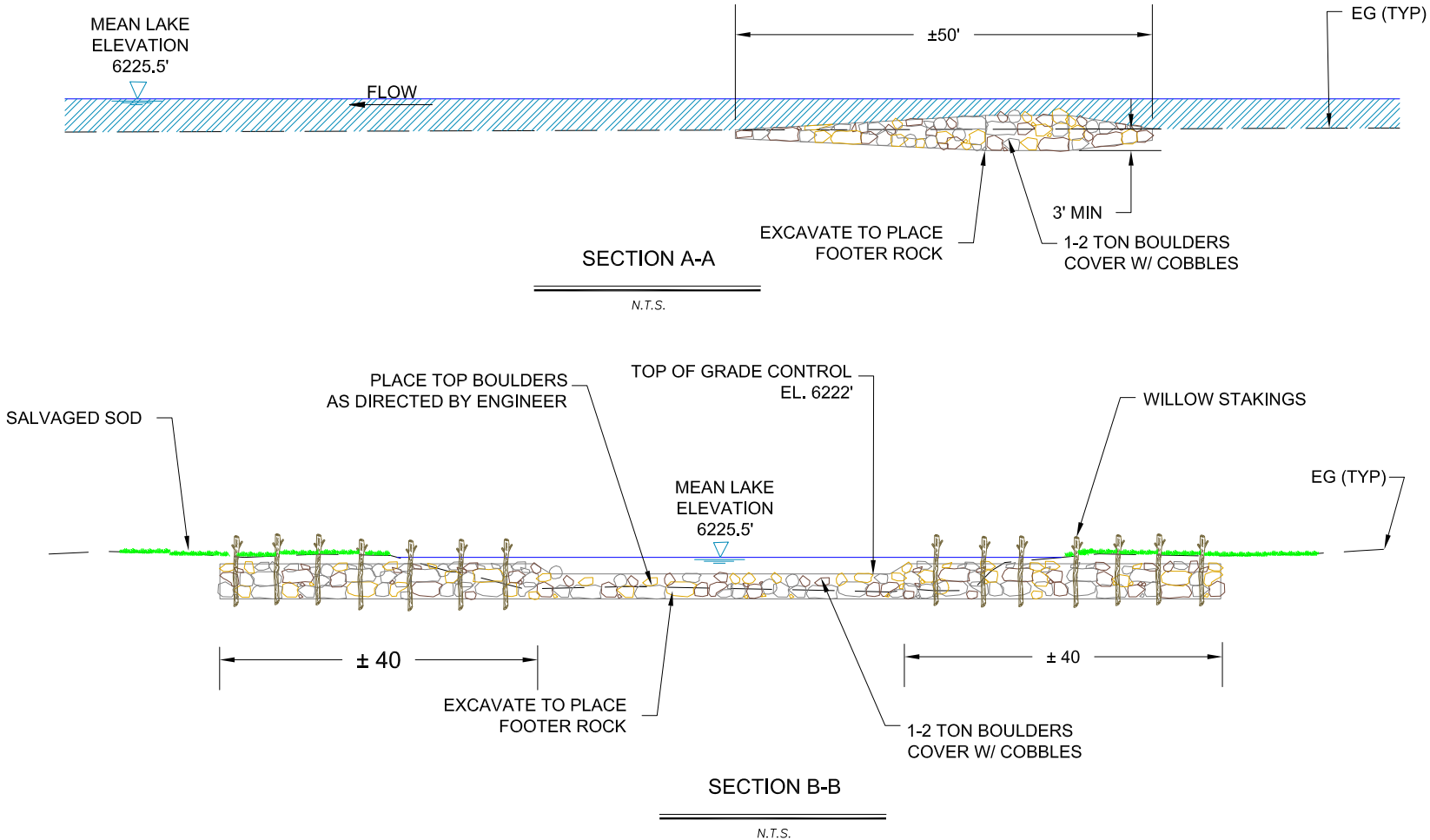
SCALE: 1"=50'

BIOENGINEERED GRADE CONTROL AT RIVER MOUTH - TYPE I

2

D-6

SCHEMATIC DESIGN PLANS
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SECTION B-B

N.T.S.

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DETAILS

D-9

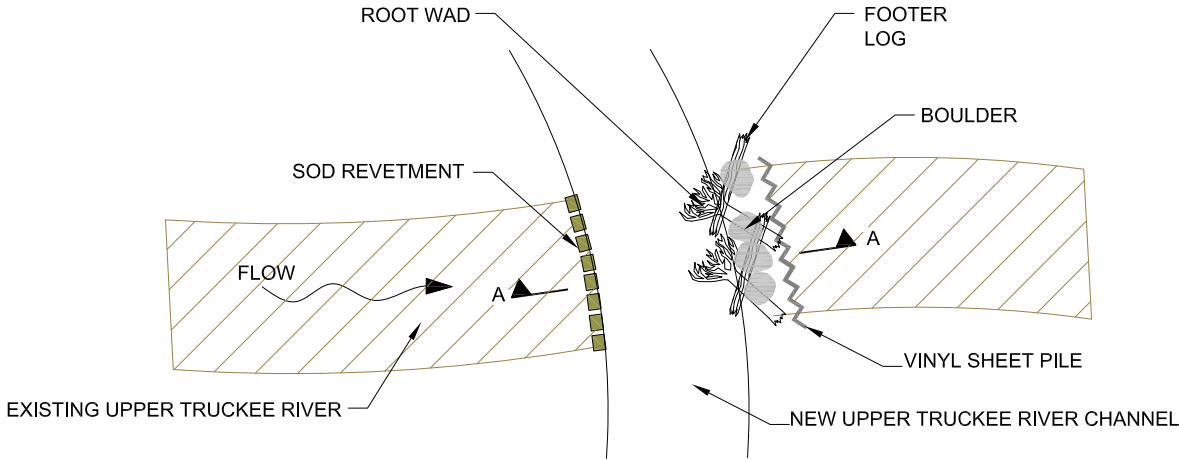
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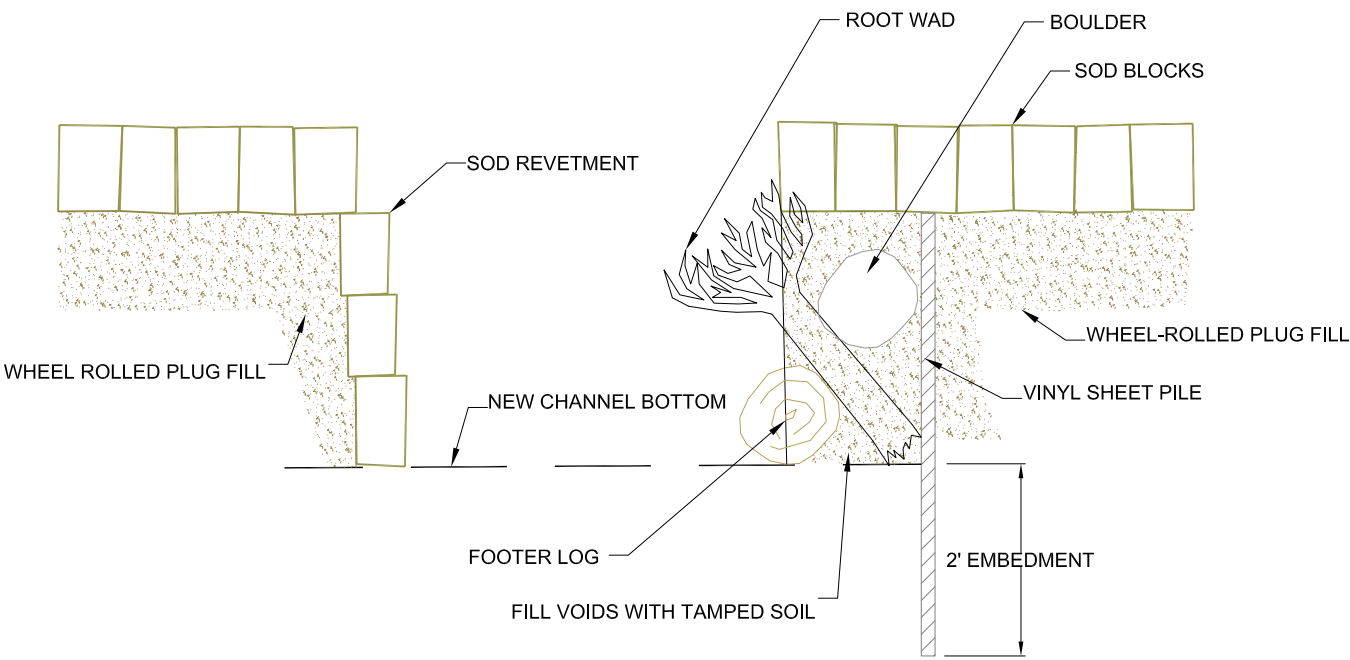


NOTES:

1. BOULDERS SHALL BE ¼ TO ½ TONS EACH.
2. FOOTER LOGS SHALL BE 8-12 INCHES IN DIAMETER AND 10-16 FEET IN LENGTH.
3. ROOTWADS SHALL HAVE A BOLE DIAMETER OF 8-16 INCHES AND A LENGTH OF 10-15 FEET.
4. ANGLES AND ELEVATIONS OF ROOT WADS SHALL VARY.
5. ROOT FANS SHALL BE 3-5 FEET IN DIAMETER.
6. FOOTER LOG SHALL EXTEND 4 FEET PERPENDICULARLY ON EITHER SIDE OF THE ROOT WAD.

PLAN

N.T.S.



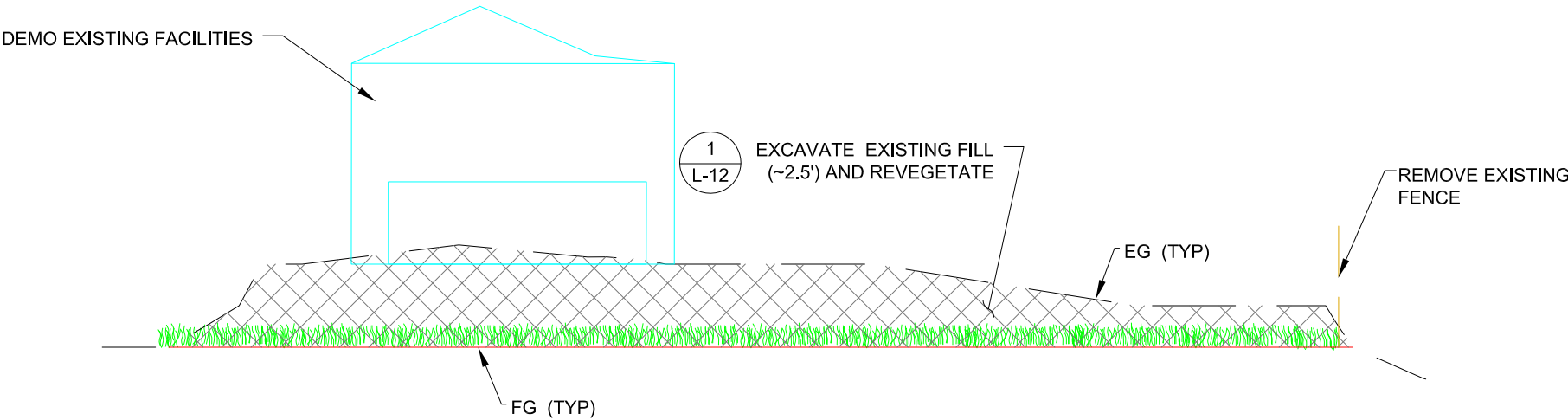
SECTION A-A

N.T.S.



LATERAL GRADE CONTROL

N.T.S.



TKPOA YARD RESTORATION

N.T.S.

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